



PRODUCT DATA SHEET – HIGH PURITY AMMONIUM SULFATE

FORMULA	(NH ₄) ₂ SO ₄ Molecular weight: 132.14 CAS No.: 7783-20-2	
APPLICATION	ASpure® Premium is a high purity inorganic salt, obtained from chemical synthesis, which is specifically tailored for applications such as (potable) water treatment and as nutrient for microorganisms in the production of amino acids, enzymes, proteins etc. Furthermore ASpure® Premium can be used in the isolation and/or purification of proteins. Not to be used in food and feed applications.	
APPEARANCE	Whitish, free flowing, hygroscopic crystalline solid which is highly water soluble and odorless.	
STORAGE	Store in a dry area at ambient temperatures, away from strong oxidants.	
SHELF LIFE	ASpure® Premium has a guaranteed shelf life of 18 months.	
CERTIFICATION	ISO9001:2015	
PACKAGING	25 kg bags	Bulk (truck)
	1000 kg big bags	
SAFETY & APPLICATION INFO	Detailed information on safety, handling and disposal is given on the Safety Data Sheet (SDS).	
PHYSICAL PROPERTIES	Density crystalline substance (20°C)	1040 ± 30 kg/m ³
	Melting/freezing point	Decomposes >235°C
	Vapor pressure at 20°C	Negligible
	Solubility in water at 20°C	0.754 kg/l
	Flash point	Not flammable

SPECIFICATION	PARAMETER	VALUE
	Assay	Min. 99.0 wt%
	Ammoniacal Nitrogen (as N)	Min. 21.0 wt%
	Sulfur	Min. 24.0 wt%
	Free sulfuric acid	Max. 0.01 wt%
	Sulfate ash	Max. 0.05 wt%
	Water	Max. 0.2 wt%
	Iron (Fe)	Max. 5 mg/kg
	Selene (Se)	Max. 2 mg/kg
	Arsenic (As)	Max. 5 mg/kg
	Chromium (Cr)	Max. 5 mg/kg
	Nickel (Ni)	Max. 5 mg/kg
	Antimony (Sb)	Max. 1 mg/kg
	Cadmium (Cd)	Max. 0.5 mg/kg
	Mercury (Hg)	Max. 0.1 mg/kg
	Lead (Pb)	Max. 5 mg/kg
	COD	Max. 300 mg/kg
	Average particle size	0.7 ≤ D50 ≤ 1.3 mm
PRODUCTION & SALES		
	Fibrant B.V. PO Box 6, 6160 AA Geleen, The Netherlands T: +31(0)46 7022071 E: ask.us@fibrant52.com www.fibrant52.com	
CONTACT		
	For further information please contact Vivian Monteban at vivian.monteban@fibrant52.com	

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COMPANY INFORMATION DISTRIBUTOR		
name	BRENNTAG N.V.	BRENNTAG Nederland B.V.
address	Nijverheidslaan 38 8540 Deerlijk	Donker Duyvisweg 44 3316 BM Dordrecht
country	Belgium	The Netherlands
phone number	+32 (0)56 77 69 44	+31 (0)78 65 44 944
fax number	+32 (0)56 77 57 11	+31 (0)78 65 44 919
website	www.brenntag.be	www.brenntag.nl
e-mail	info@brenntag.be	info@brenntag.nl
activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO